NFPA DESIGNATION 704

		• • • • • • •	• •
HAZARD RATING	- HEALTH	0	-
4=Extreme	******************	• • • • • •	٠.
3=High	- FIRE	1	
2=Moderate			٠.
1=Slight	- REACTIVITY	0	
0=insignificant			٠.
	- SPECIFIC HAZARD	NONE	



MATERIAL SAFETY DATA SHEET

SECTION 1 NAME AND PRODUCT

MANUFACTURER'S NAME: SUNNEN PRODUCTS COMPANY ADDRESS: 7910 Manchester Ave.

St. Louis, No. 63143

United States of America

CONTACT:

Terry Heller 314-781-2105

EMERGENCY PHONE NO:

APPROVED BY:

Terry Heller Manager, Materials R/D

TITLE: DATE:

August 15, 1987

TRADE NAME, COMMON NAME OR SPECIFICATION: COS-155 or COS-155-5 COOLANT

CHEMICAL FAMILY: PETROLEUM HYDROCARBONS AND ADDITIVES. CLASSIFICATION: PETROLEUM OIL N.O.S. D.O.T. SHIPPING CLASS: COMBUSTIBLE LIQUID. IDENTIFICATION NUMBER: NA1270

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY (PER 29 C.F.R. 1910.1200(g))

COMMO	N CHEMICA	L NAME OF I	COMPON	ENTS	CAS NO	Wt.X	OSHA PEL	ACGIH TLV-TWA	CARCINO	GENIC
							mg./cu. m.	mg./cu. m.		
OIL	SEVERELY HY				 64742-53-6 64742-52-5	>93 > 3	5 (mist) 5 (mist)	5 (mist) 5 (mist)		N N

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS, INDUSTRIAL SALES DEPARTMENT.

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

and the first of the control of the	
SPECIFIC GRAVITY (WATER=1)892 @ 77 F (25 C)	PERCENT VOLATILE BY WEIGHTNEGLIGIBLE
BOILING POINT320 F (160 C)	VAPOR PRESSURE (mm Hg)NEGLIGIBLE
REACTIVITY IN WATERNO HAZARDOUS REACTIONS	VAPOR DENSITY (Air=1)HEAVIER THAN AIR
APPEARANCE AND ODORREDDISH BROWN LIQUID WITH MINERAL OIL ODOR.	EVAPORATION RATENEGLIGIBLE
SOLUBILITY IN WATERAPPROXIMATELY 25% BY VOLUME OF WATER IS SOL	LUBLE IN THE MATERIAL. MATERIAL IS ALSO SOLUBLE IN
PETROLEUM SOLVENTS SUCH AS MINERAL SPIRITS.	

SECTION 4 SPECIAL PRECAUTIONS HANDLING AND STORAGE: Store away from heat or flame, Read and follow container warnings. Refer to Section 7 & 8.

SECTION 5 CORROSIVITY AND REACTIVITY DATA

BOE-C6-0228260

STABILITY: Material is stable under normal conditions of transport and storage. POLYMERIZATION: Hazardous polymerization will not occur. INCOMPATIBILITY (MATERIALS TO AVOID): Strong exidation agents such as fuming Nitric Acid. Product may react with alkalai such as parts cleaners to form soaps and/or emulsions. CONDITIONS TO BE AVOIDED: Oxidizing conditions. MAZARDOUS DECOMPOSITION PRODUCTS: Mydrogen Chloride and oxides of Sulfur, Carbon and Nitrogen from combustion.

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE

PRIMARY ROUTE(S) OF ENTRY ARE: INHALATION AND SKIN-ABSORPTION.

ACUTE: Prolonged repeated skin contact with material may lead to irritation caused by dissolving of the natural oils from the skin causing slight skin irritation. ORAL TOXICITY (RATS): Not established. Estimated to be slightly toxic based on testing of similar products. DERMAL TOXICITY (RABBITS): Not established. Estimated to be slightly toxic based on testing of similar products. INHALATION TOXICITY (RATS): Not established. EYE IRRITATION (RABBITS): Not established. May irritate the eyes. SKIN IRRITATION (RABBITS): Not established. May cause slight irritation on prolonged or repeated contact, -- Based on testing of similar products and/or the components.

CHRONIC: No applicable information found.

EMERGENCY FIRST AID

INHALATION: Remove to free air. If not breathing, begin mouth to mouth resuscitation. Seek medical attention. EYE CONTACT: Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible instation. SKIN CONTACT: Wash hands with mild non-abrasive soap and water. INGESTION: Do not induce voriting. Get medical assistance. (Note to physician: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately).

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store away from heat or flame as the material will expand if overheated and possibly rupture the container, spilling the contents. Plastic containers are brittle if frozen and may split and leak if handled roughly. The spilled material will create a slip hazard and will burn if ignited. Since emptied containers retain material residue, follow label warnings even after container is emptied and do not reuse container for other purposes. Do not cut, braze, weld, solder, or pressurize container as doing so may cause container to EXPLODE, potentially causing serious injury or DEATH. Do not transfer to unlabeled containers. For industrial use only. Not suitable for use in or around household or dwelling. All precautions detailed on the container label apply to partially full or empty containers.

RORMAL USE: Practice good personal hygiene by washing hands several times each day. Launder contaminated clothing before reuse. Avoid wearing clothing spakes with fluid. Avoid prolonged inhalation of mist or vapors. ... Clean material from parts using alkaline cleaner. Use personal protection equipment and precautions as specified in Section 8. Read caution statements and follow instructions on container label.

STEPS TO BE TAKEN IN CASE OF LEAKS OF SPILLS: Contain and absorb on fire-retardant treated sawdust, diatomaceous earth or other suitable absorbant. Notify Coast Guard if spill could reach any waterways (1-800-424-8802) and also local/state authorities. Spilled material is greasy and produces a slip/fall hazard.

WASTE DISPOSAL METHOD: Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If use conditions give rise to mist levels >5 mg/cu m or if operator experiences any respiratory

irritation use NIOSH approved respirator tated for use with mineral oil mist.

VENTILATION LOCAL: Normal ventilation.

MECHANICAL: Required if use conditions give rise to mist levels greater than 5 mg/cu m or if operator experiences

any respiratory or eye irritation

PROTECTIVE GLOVES: EYE PROTECTION:

If preferred or if sensitivity to material has been demonstrated use gloves rated for mineral oil. Glasses or goggles to prevent inadvertent splashing of material into eyes. Always wear safety

glasses while working around or operating machinery.

OTHER PROTECTION:

Apron or barrier cream if desired. Do not wear oil-soaked clothing as it may cause skin irritation or

MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL: Remove traces of material if soldering, welding, brazing, cutting or other process involving ignition

sources by cleaning with caustic cleaners.

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SECTION 9 FIRE AND EXPLOSION HAZARD DATA

NOTICE

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BOE-C6-0228261